YAMAHA

# YHT795

Yamaha Home Entertainment Package

NEW PRODUCT BULLETIN

## 7.1 Channel Home Theatre Package

*Yamaha iPod dock included.*
*iPod not included.*

DOLBY DIGITAL EX PRO LOGIC IIx | dts Digital Surround Neo:6 | 96/24 | ES | HDMI | USB | 8CH EXT. INPUT | Zone2 | CINEMA DSP DIGITAL | SILENT CINEMA | compressed music ENHANCER | SCENE | YPAO

## RECEIVER

### 1 Advanced Features

- 4 SCENE buttons offering greater operating ease (with 16 preset SCENE templates)
- YPAO for automatic speaker setup
- iPod compatibility via Yamaha Universal Dock
- Bluetooth (A2DP) compatibility with Yamaha Bluetooth® Wireless Audio Receiver (YBA-10)
- USB port on front panel to connect a USB memory device or a USB portable audio player
- Multi zone functions including Zone 2 audio out, IR terminal and Trigger Out
- On-screen display with iPod song title display

### 2 High Sound Quality

- 7-channel 630W powerful surround sound (90W x 7)
- Direct mode for high quality sound reproduction
- Burr-Brown 192kHz/24-bit DACs used in all channels
- Assignable amplifiers to bi-amp connection

### 3 High Picture Quality

- 1080p-compatible HDMI (2 in/1 out) including 1080p/24Hz repeat
- Component video upconversion with TBC
- HDTV compatible component video terminals (3 in/1 out)

### 4 Surround Realism

- CINEMA DSP with 8 DSP programmes
- Compressed Music Enhancer to improve compressed music sources
- Night Listening Enhancer (Cinema/Music) and SILENT CINEMA

## SPEAKERS

| NS-50F x 2<br>NS-P80 | |
|---|---|
| **[Front Speakers]** | 2-way bass-reflex |
| Dimensions (W x H x D) | 233 x 880 x 271 mm |
| Weight | 12.5kg/unit |
| **[Centre Speakers]** | 2-way acoustic suspension |
| Dimensions (W x H x D) | 465 x 135 x 174 mm |
| Weight | 3.5kg |
| **[Surround Speakers]** | 2-way acoustic suspension |
| Dimensions (W x H x D) | 150 x 265 x 156 mm |
| Weight | 2.3kg/unit |
| | |
| **Subwoofer** | **YST-SW216** |
| Output Power | 100W |
| Subwoofer Driver | 25cm cone |
| Dimensions (W x H x D) | 340 x 340 x 385 mm |
| Weight | 11.2kg |
| | |
| **YDS-10 iPod Dock** | **Included*** |

*iPod not included

**CONSISTS OF:**

| | |
|---|---|
| RXV563 | x 1 |
| NS50F | x 2 |
| NSP80 | x 1 |
| YSTSW216 | x 1 |
| YDS10 | x 1 |

# YHT795

Yamaha Home Entertainment Package

Receiver continued

## Advanced Features

### SCENE — Greater Operating Ease

Four SCENE buttons make operating the receiver easier than ever. Pressing a SCENE button automatically turns the power on and launches a number of operations that initiate play of the source controlled by that button. Many SCENE settings are available, such as Dock Listening, DVD Viewing, Radio Listening and Game Playing. Browsing and selecting the settings is quickly accomplished by rotating the Input knob and watching the on-screen display. When a Yamaha DVD or CD player with SCENE compatibility is connected to the Remote Out jack, it can be operated via the receiver's SCENE functions.

### USB Port on Front Panel

A USB port is provided on the front panel for connecting USB memory devices and portable audio players. Compatible with MP3, WMA and WAV (PCM only) formats, it also enables the on-screen display of USB file list, artist name, album and song.

### YPAO for Automatic Speaker Setup

The RX-V563 uses Yamaha's YPAO system that quickly and automatically analyses the acoustics of the room and adjusts various speaker parameters to provide the optimum sound at the listening position. It's like having a professional audio engineer set up and tweak your system.

### Zone 2 Audio Enjoyment

The RX-V563 provides Zone 2 audio output. This means you can set the receiver to reproduce separate sources in the main zone and second zone (Zone 2) by using a second amplifier/speaker system. IR terminals and Trigger Out add to operating convenience.

### Initial Volume and Maximum Volume

Two volume setting functions are included on this receiver for additional convenience. Initial Volume Setting allows you to set the volume level that will be heard each time the power is turned on. Maximum Volume Setting prevents unexpected loud sounds, for example if a young child turns the volume knob.

## High Sound Quality

### Direct Mode

You can enjoy pure HiFi sound from 2-channel PCM and analogue sources by the Direct mode which allows signals to bypass the decorders and DSP processors.

### Bi-Amping Assignability

Bi-amping is an advanced feature that lets you enjoy superior sound quality. It assigns the surround back channels to provide separate low frequency and mid/high frequency allocation to the front channels, thus improving sound clarity in all frequency ranges.

### Audio-Grade Parts and Devices

The RX-V563 offers the latest and best technologies, parts and circuit designs to maximise sound quality. These include custom-made block capacitors (1), high grade Burr-Brown DACs and ADC (2) and other high quality audio-grade parts.

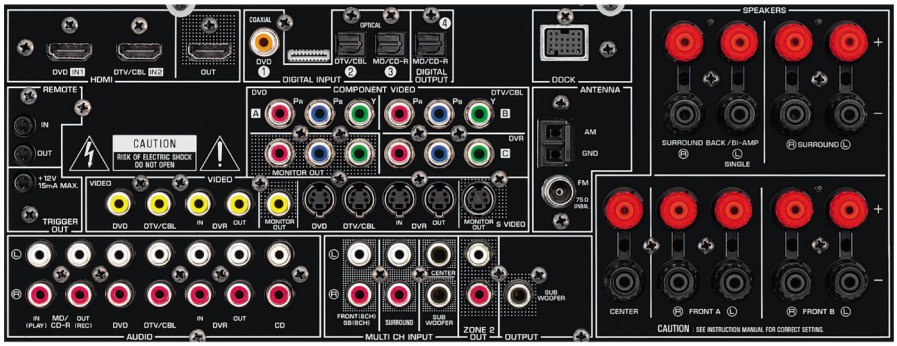
## High Picture Quality

### 1080p-Compatible HDMI (2 In/1 Out)

This receiver features dual HDMI inputs and one output that support 1080p resolution so you can connect two HDMI sources, such as a DVD player and a high definition set-top box, and enjoy the highest possible quality with a 1080p display. Also, have a capability of repeating 1080p/24Hz signal to enjoy highest quality picuture by Blu-ray disc.

### Component Video Upconversion with TBC

The RX-V563 is equipped with high-definition video upconversion circuitry incorporating high-performance video encoder/decoders from Analog Devices. A Time Base Corrector (TBC) transforms degraded analogue video signals into a stable format for distortion-free viewing.




| | | |
|---|---|---|
| Inputs | HDMI (Fixed & Assignable) | 2 |
| | Dock Terminal (for iPod / Bluetooth) | 1 |
| | Optical Digital (Fixed and Assignable) | 2 |
| | Coaxial Digital (Fixed and Assignable) | 1 |
| | S-Video | 3 |
| | Analogue A/V / Audio* | 4 / 2 |
| | Component Video | 3 |
| | Multi-Channel External Input | 8 ch |

* Including front panel Video Aux terminals.

• Banana-plug compatible speaker terminals are not available in some areas.

| | | |
|---|---|---|
| Outputs | HDMI | 1 |
| | Analog A/V / Audio | 1 / 1 |
| | Optical Digital (Fixed and Assignable) | 1 |
| | S-Video | 1 |
| | Component Video Monitor | 1 |
| | S-Video / Composite Monitor | 1 / 1 |
| | Speaker (without subwoofer) | 7 ch / 9 ter. |
| | Subwoofer | 1 |
| Others | Zone 2 Audio Out | 1 |
| | Remote In/Out | 1 / 1 |
| | Trigger Out | 1 |

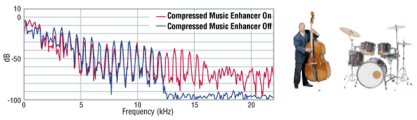
## Surround Realism

### CINEMA DSP with 8 DSP Programmes

You have a choice of eight unique Yamaha CINEMA DSP surround programmes to bring out the full audio potential of your entertainment sources.

### Compressed Music Enhancer

When music is encoded in a digital compressed format such as MP3, frequency response suffers in the high and low ranges. Yamaha employs sophisticated digital signal processing with exclusive algorithms, enabling faithful reproduction of the original music, for the excellent sound quality.




The Compressed Music Enhancer restores the original, live sound of your music, especially deep, strong sounds like bass and drums.

### Other Notable Features

- 40-station preset tuning / Auto preset tuning
- HD Audio LPCM 7.1-channel reception (up to 96kHz)
- High dynamic power, low-impedance drive capability
- iPod song titles displayed in English and Western European languages ISO 8859-1 (Latin 1) on the front panel and on-screen display
- Night Listening Enhancer, SILENT CINEMA and Virtual CINEMS DSP
- Audio Delay for adjusting lip-sync (0–160ms)
- Front panel Video Aux input terminals
- 9 selectable subwoofer crossover frequencies
- Subwoofer phase select
- HDTV compatible component video terminals (3 in/1 out)
- Subwoofer out
- 8-channel or 6-channel external input
- Speaker A or B selection
- Preset remote unit

**Yamaha Bluetooth® Wireless Audio Receiver**

The optional YBA-10 Bluetooth Audio Receiver docks to the receiver and supports A2DP audio streaming, so users can enjoy music wirelessly from Bluetooth enabled mobile phones, Windows PCs and Macs.

**Yamaha Universal Dock for iPod**

The Yamaha Universal Dock lets you connect your iPod to the receiver.

Made for iPod

### Main Specifications - Receiver

| | |
|---|---|
| Minimum RMS Output Power | |
| (6 ohms, 1 kHz, 0.9% THD) | |
| Front L/R Channels | 90 W/ch |
| Centre Channel | 90 W |
| Surround L/R Channels | 90 W/ch |
| Surround Back Channels | 90 W/ch |
| Dynamic Power (1 kHz) | |
| 6/4/2 ohms | 105/130/150 W |
| Frequency Response | 10 Hz–100 kHz +0, -3 dB |
| Total Harmonic Distortion (CD, Front Sp Out) | |
| (1 kHz, 50 W/6 ohms) | 0.06% |
| Signal-to-Noise Ratio (CD) | 100 dB (250 mV) |
| Monitor Out Frequency Response | |
| Component Video Signal | 5 Hz–60 MHz -3 dB |
| Standby Power Consumption | 0.8 W |
| Dimensions (W x H x D) | 435 x 151 x 352 mm |
| Weight | 9 kg |

• iPod is a trademark of Apple Computer, Inc., registered in the U.S. and other countries. • Dolby and the double-D symbol are registered trademarks of Dolby Laboratories. • "DTS" and "DTS ES | Neo:6" are registered trademarks of DTS, Inc. "96/24" is a trademark of DTS, Inc. • HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC. • Burr-Brown products are trademarks of Texas Instruments, Inc. • The *Bluetooth®* word mark and logos are registered trademarks ownerd by Bluetooth SIG. Inc. • CINEMA DSP is a trademark of Yamaha Corporation. • SILENT CINEMA is a trademark of Yamaha Corporation.• Product designs and specifications are subject to change without notice.